

FIG. 1

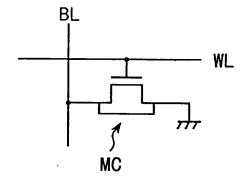


FIG. 2

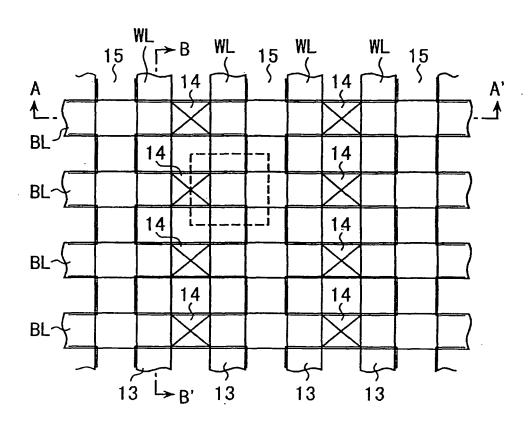


FIG. 3

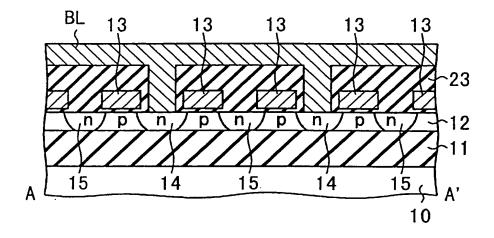


FIG. 4A

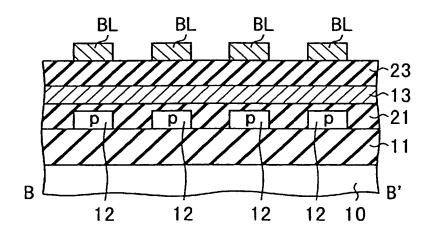


FIG. 4B

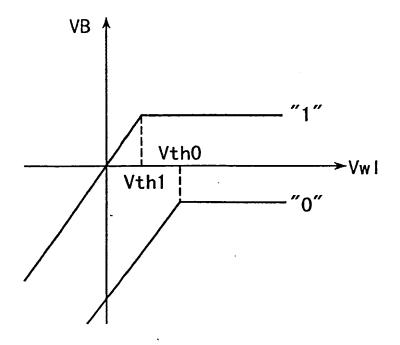


FIG. 5

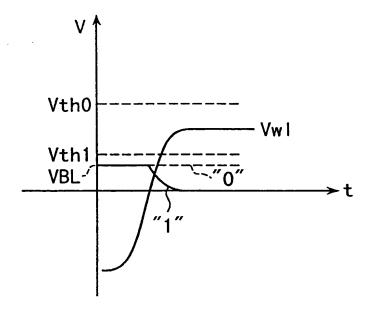


FIG. 6

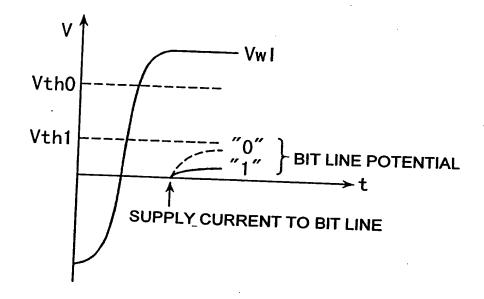


FIG. 7

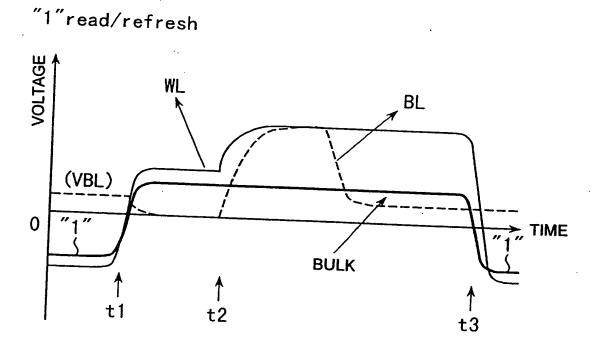


FIG. 8

"0" read/refresh

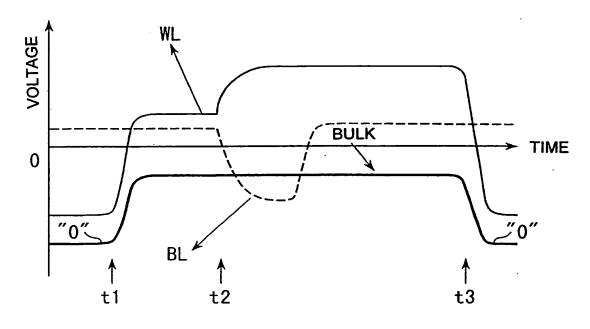
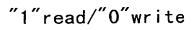


FIG. 9



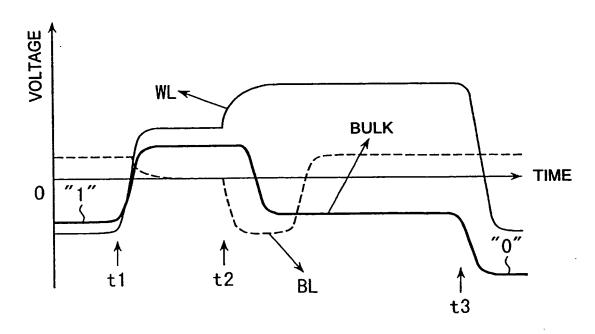


FIG. 10

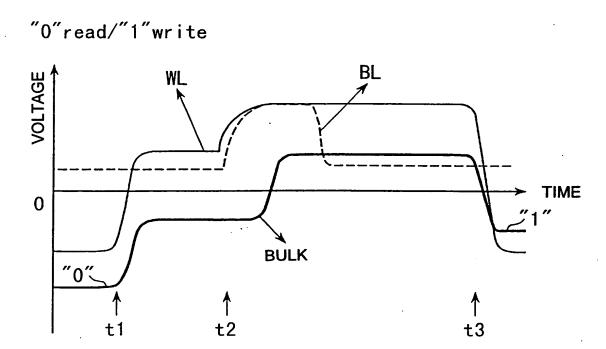


FIG. 11

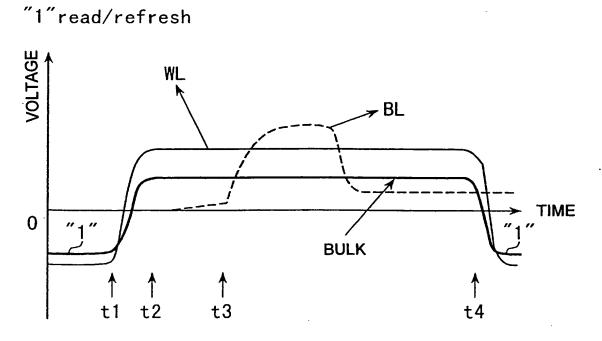


FIG. 12



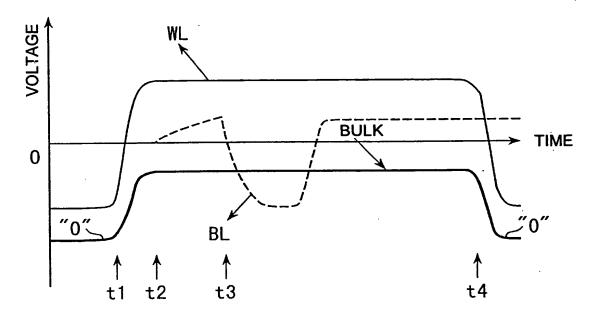
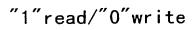


FIG. 13



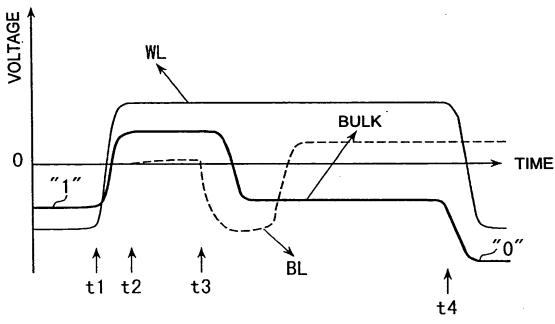


FIG. 14

"0"read/"1"write

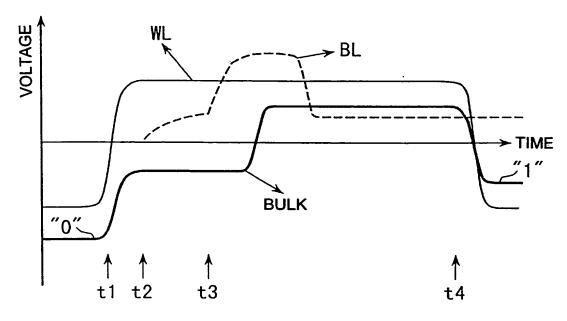


FIG. 15

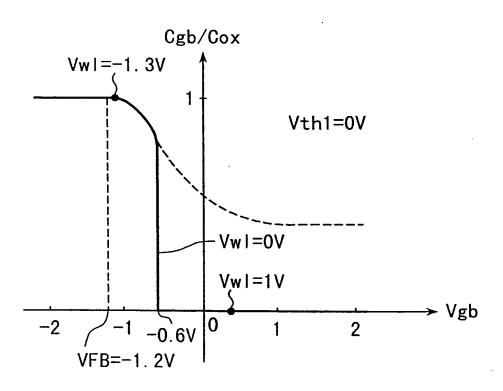


FIG. 16

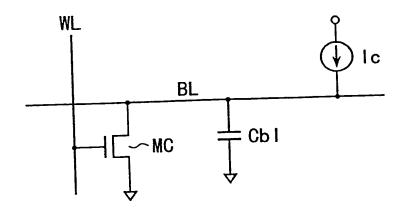


FIG. 17

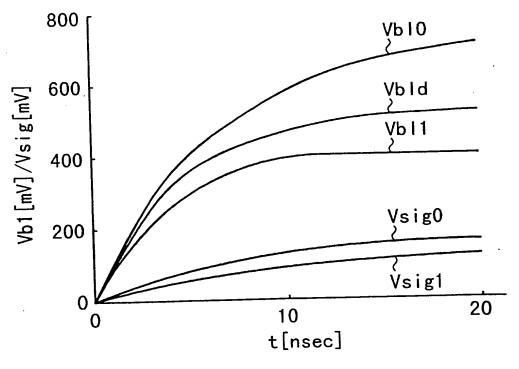


FIG. 18

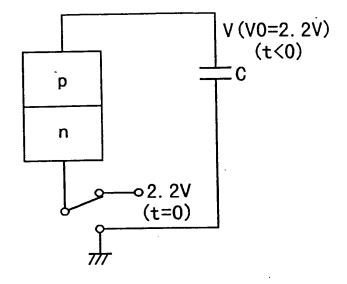


FIG. 19

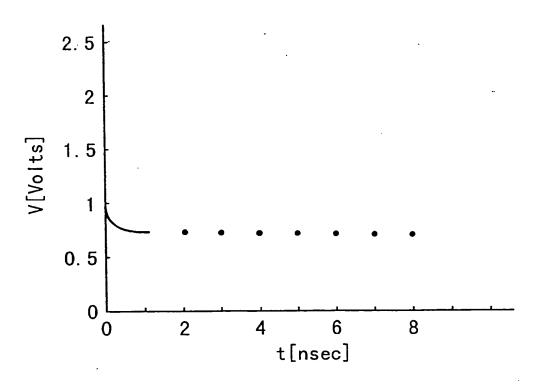


FIG. 20

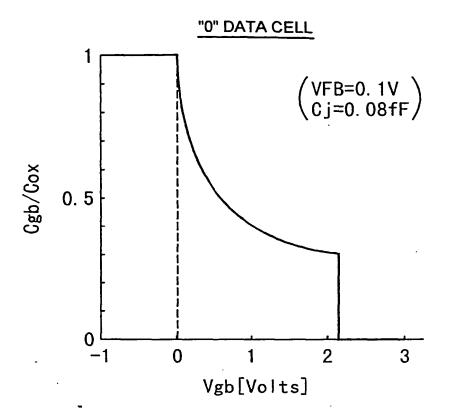


FIG. 21

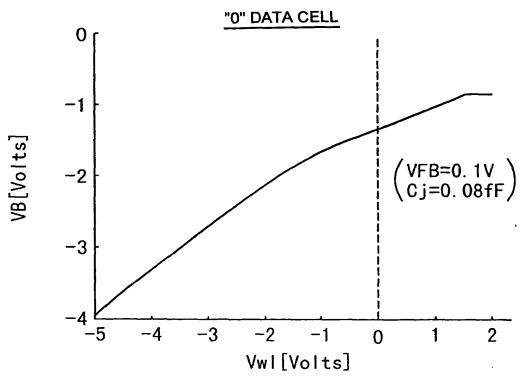


FIG. 22

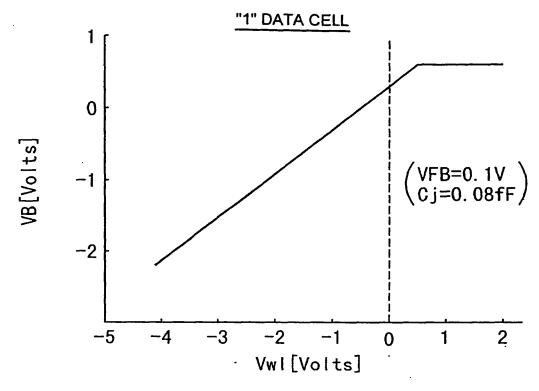


FIG. 23

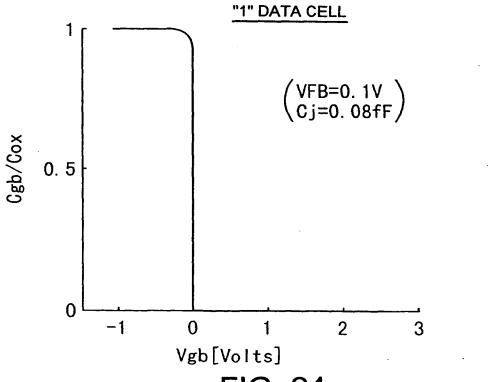


FIG. 24

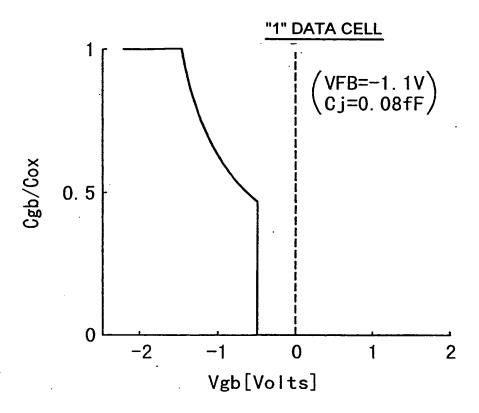
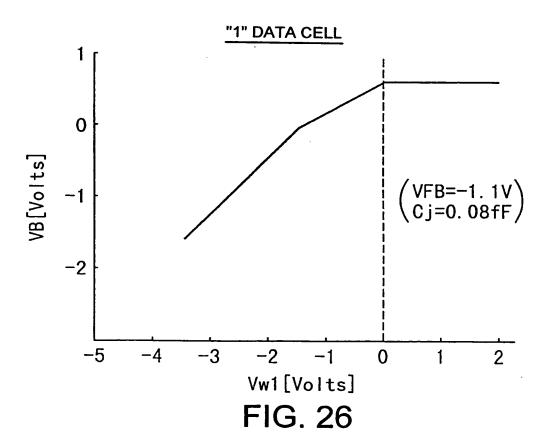


FIG. 25



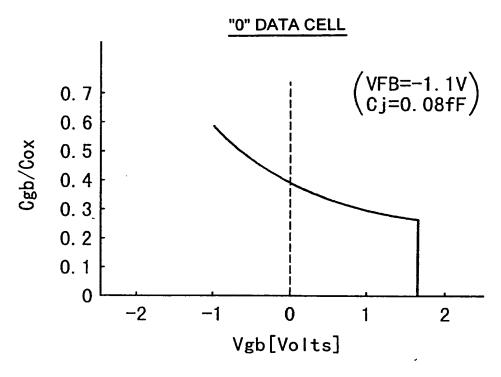


FIG. 27

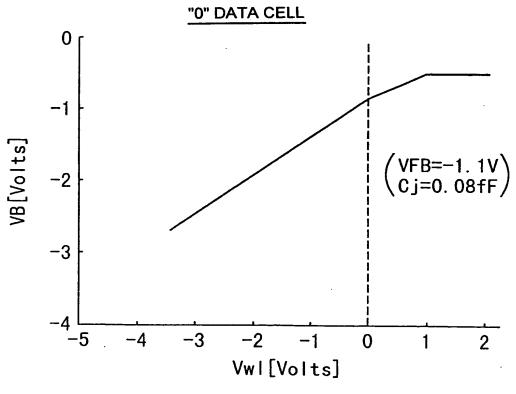


FIG. 28

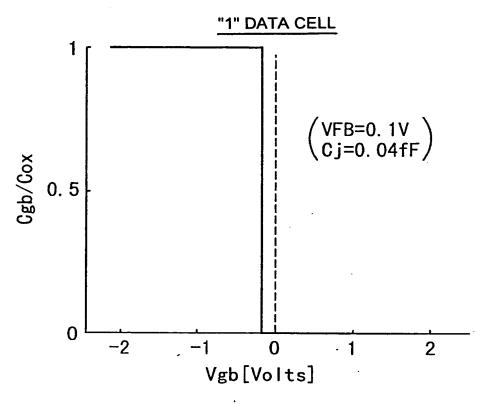
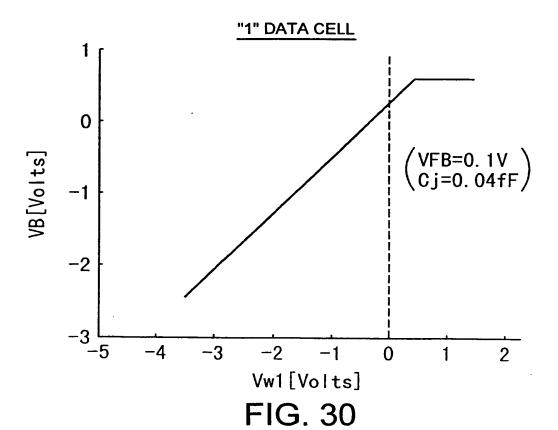


FIG. 29



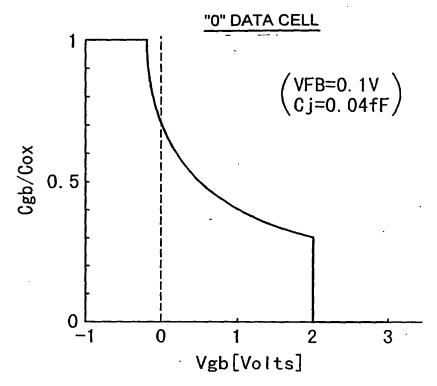


FIG. 31

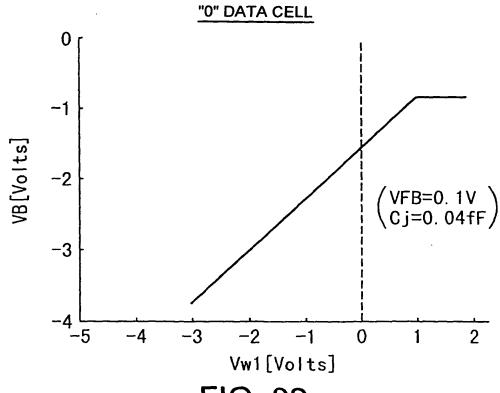


FIG. 32

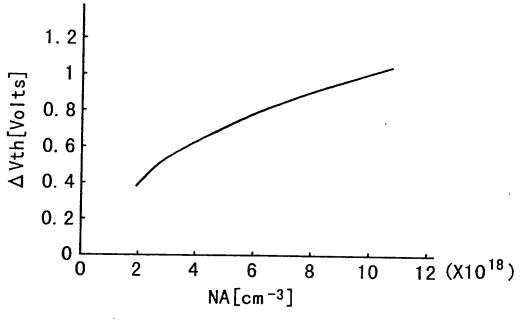


FIG. 33

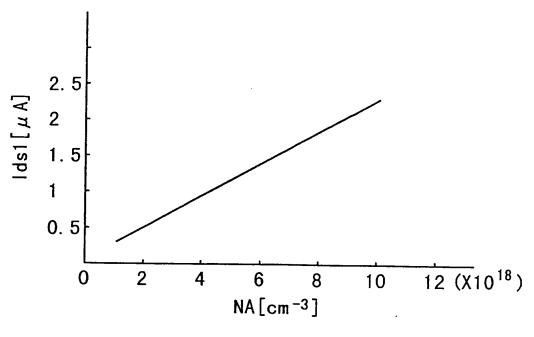


FIG. 34

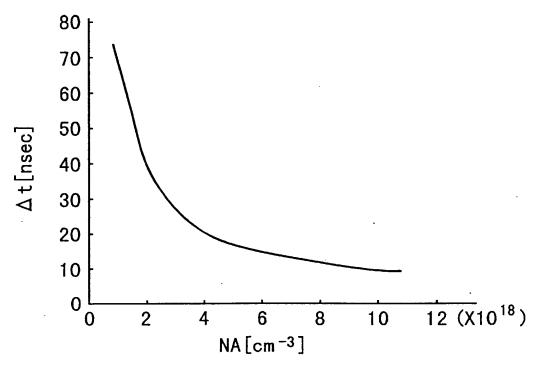


FIG. 35

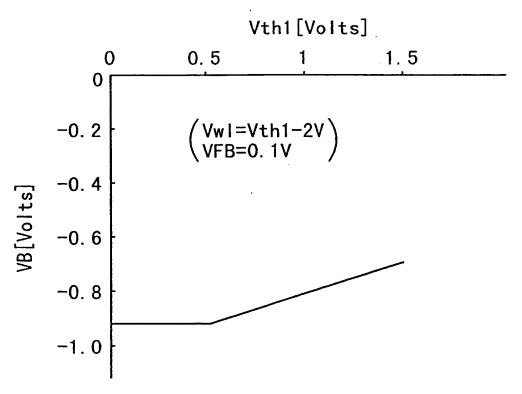


FIG. 36

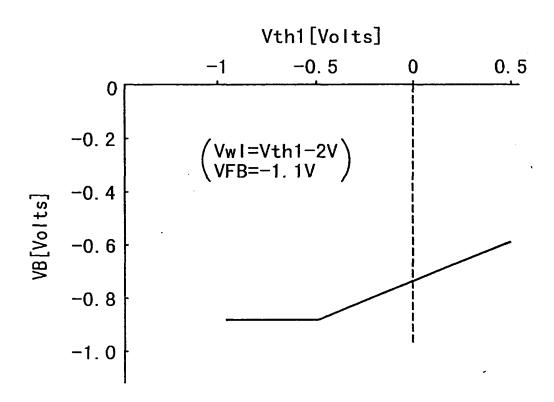


FIG. 37

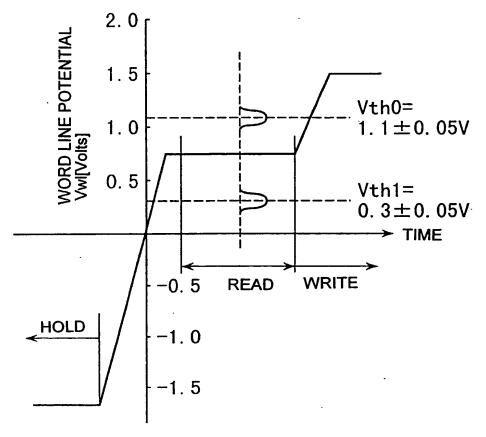
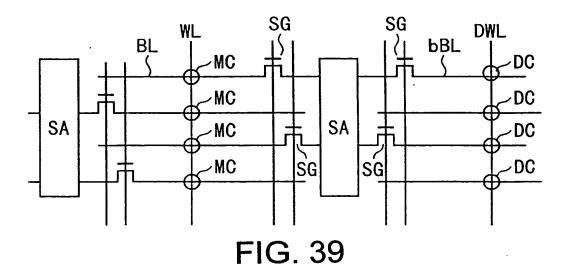


FIG. 38



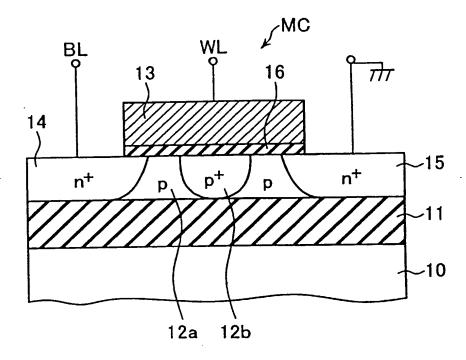


FIG. 40

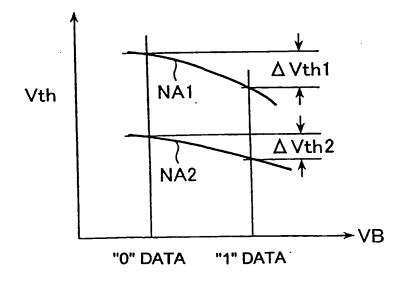


FIG. 41

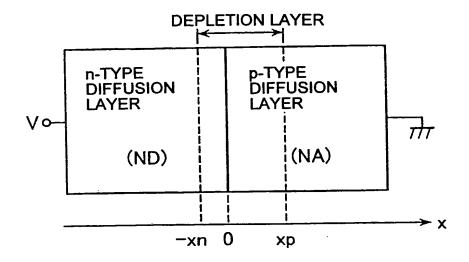


FIG. 42A

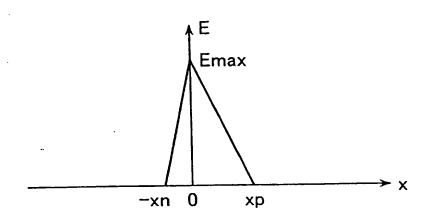


FIG. 42B

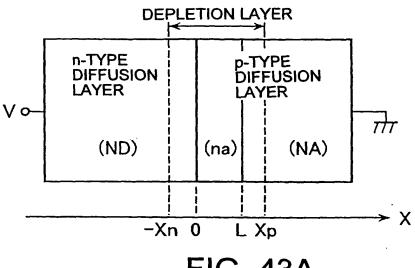


FIG. 43A

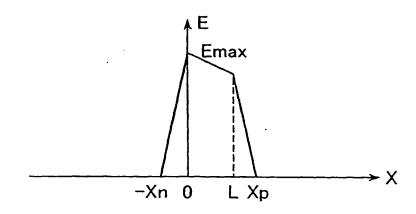


FIG. 43B

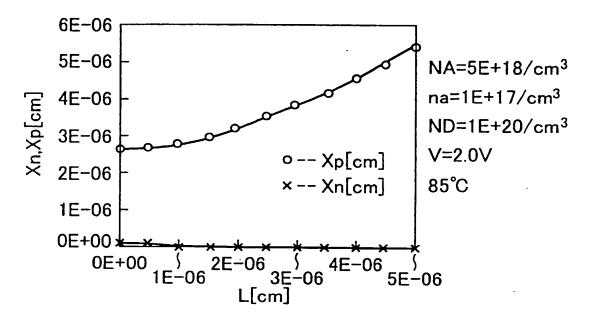


FIG. 44

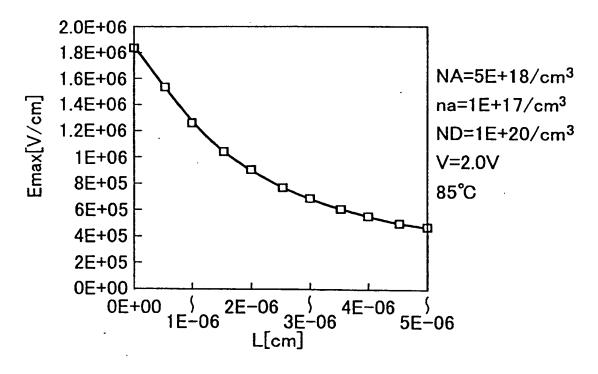
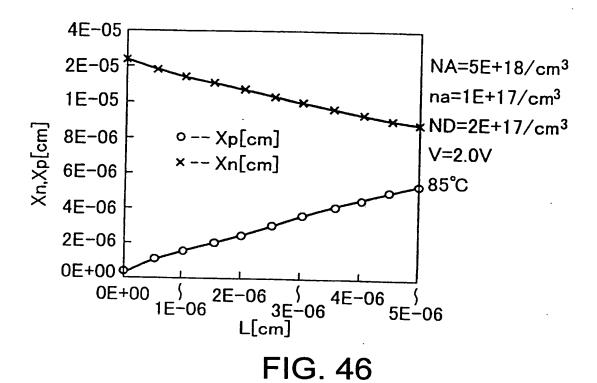


FIG. 45



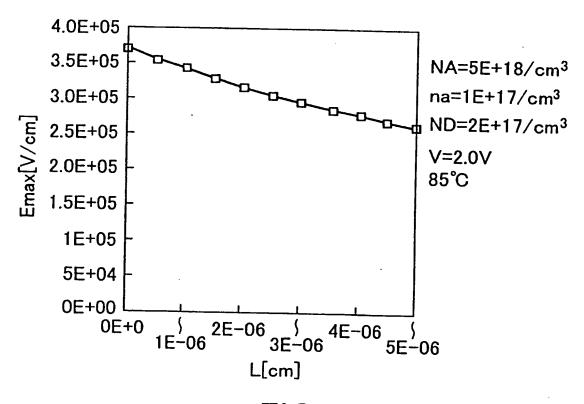


FIG. 47

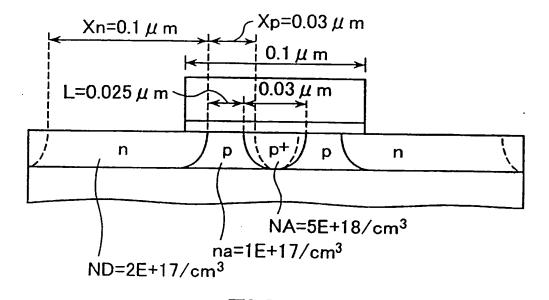


FIG. 48

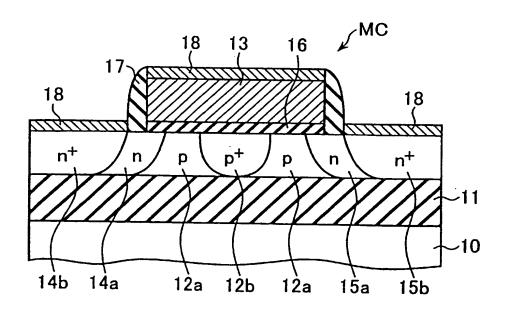


FIG. 49

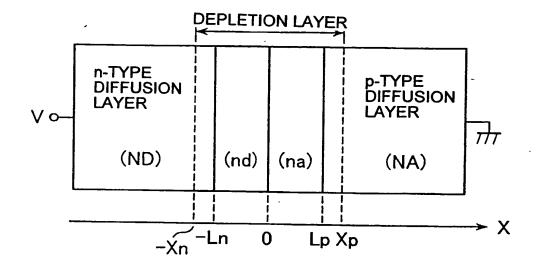


FIG. 50A

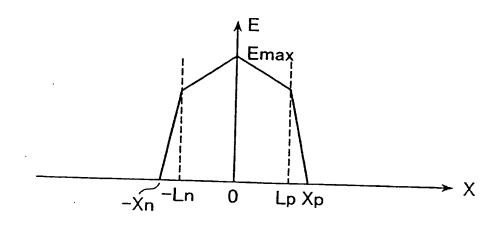
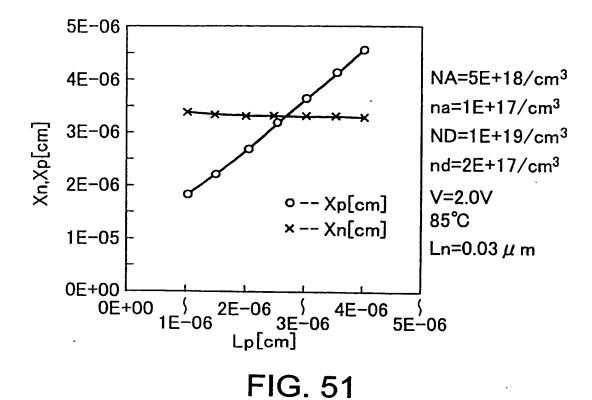


FIG. 50B



NA=5E+18/cm³ 6E+05 $na=1E+17/cm^3$ Emax[V/cm] $ND=1E+19/cm^3$ 4E+05 $nd=2E+17/cm^3$ V=2.0V 2E+05 85°C $Ln=0.03 \mu m$ 0E+00 0E+0 2E-06 SE-06 5E-06 Lp[cm]

FIG. 52

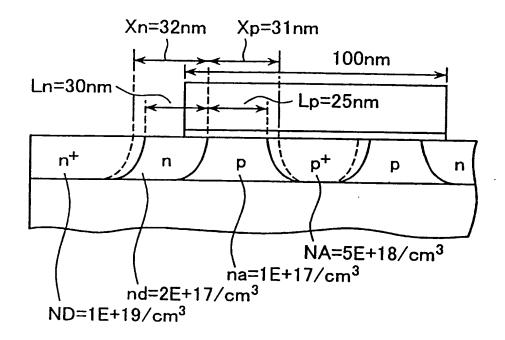


FIG. 53

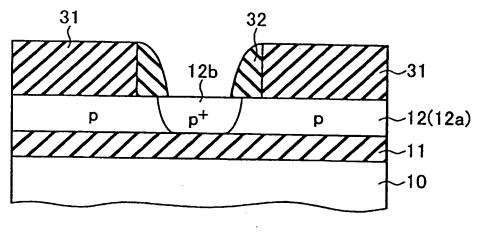


FIG. 54

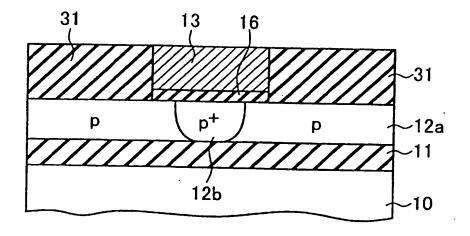


FIG. 55

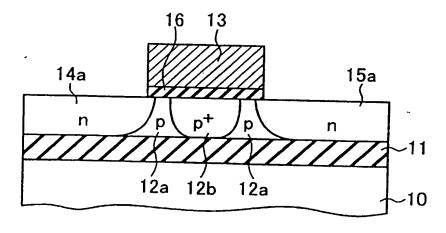


FIG. 56

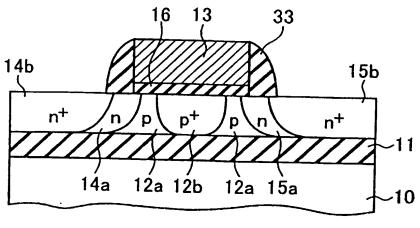


FIG. 57

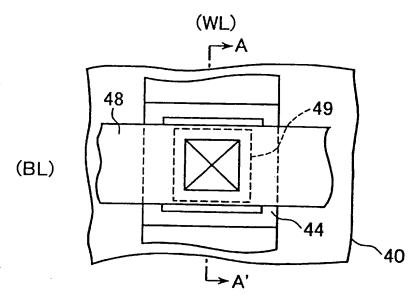
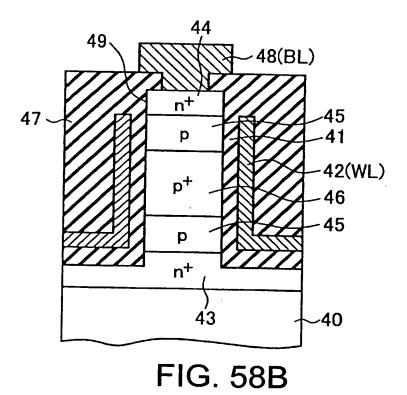


FIG. 58A



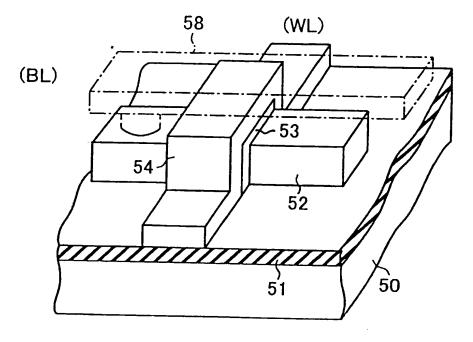


FIG. 59A

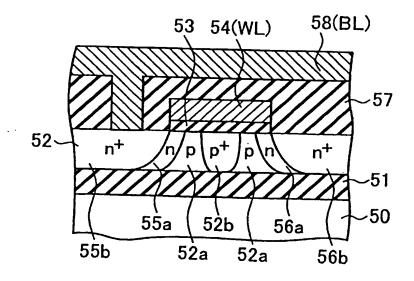
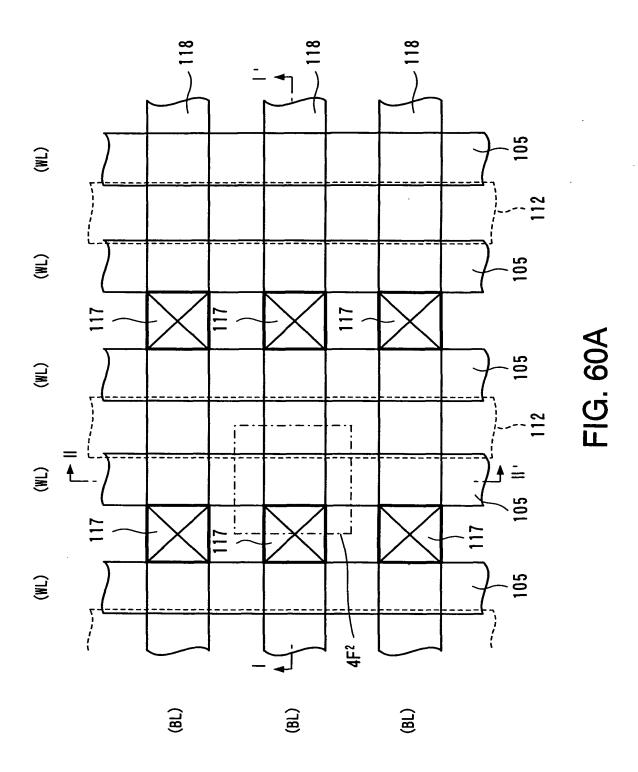
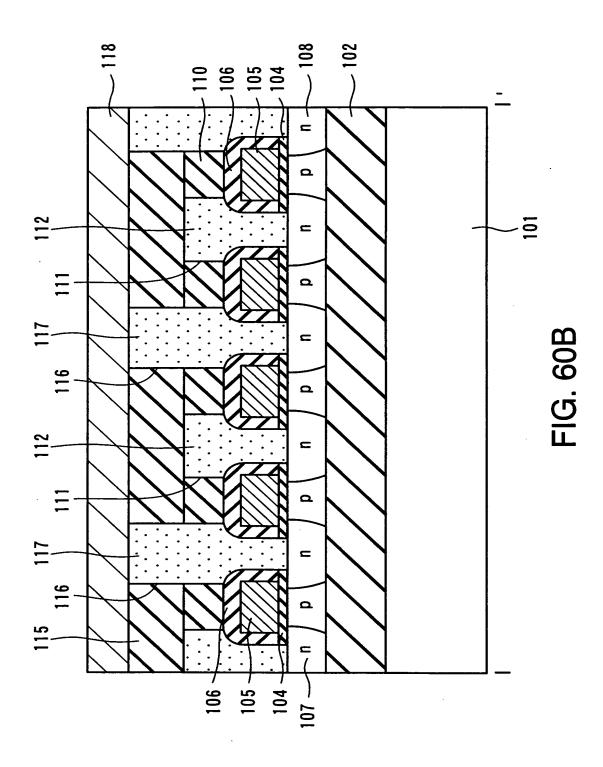


FIG. 59B





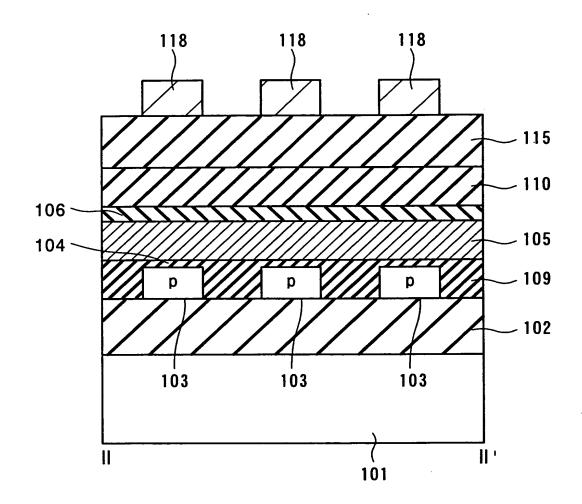


FIG. 60C

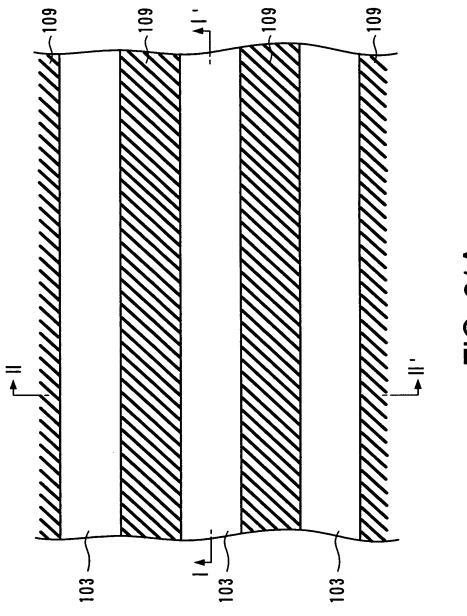
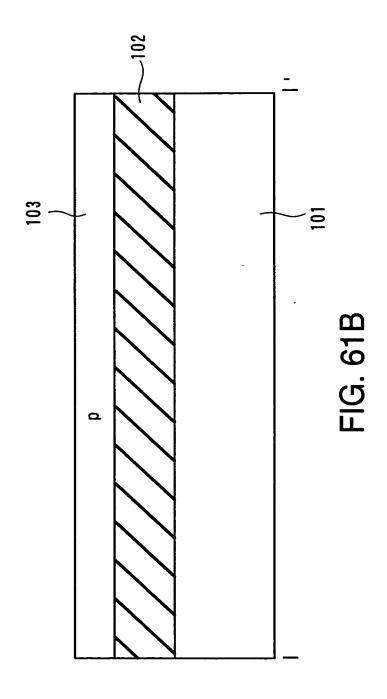


FIG. 61A



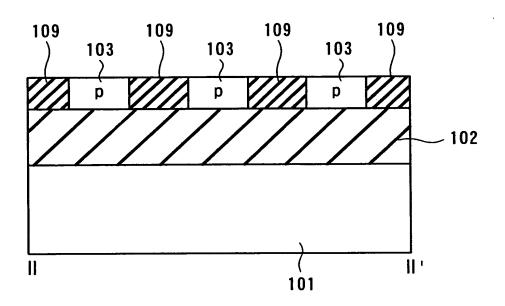
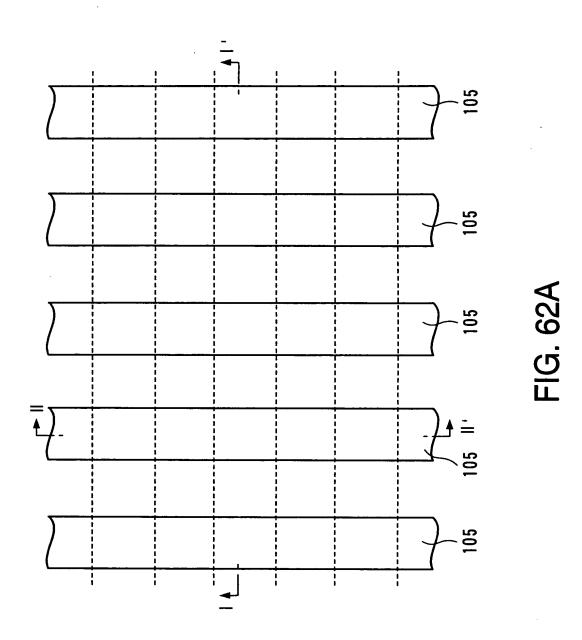
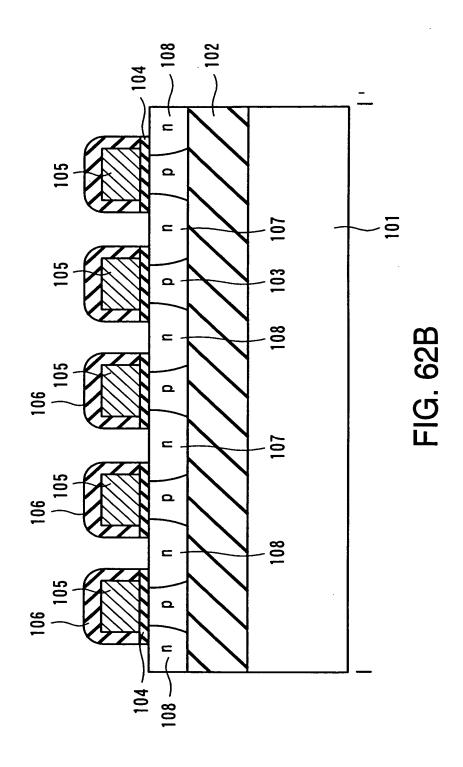


FIG. 61C





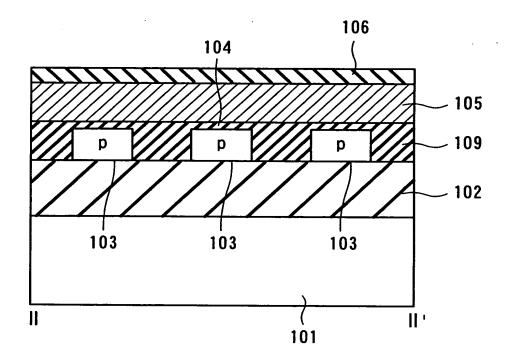


FIG. 62C

